

## BASF Wall Systems | PermaLath® 1000 Test Results

TECHNICAL BULLETIN

PermaLath 1000		
Test	Result	
Fire Tests: ASTM C338 Softening	Pass(>750°F)	
ASTM E84 Surface burning characteristics	Flame spread: <25 Smoke developed: <450	
ASTM E119 Fire Resistive Rating Assembly Descriptions: 3/4" ASTM C926 stucco with PermaLath 1000 over steel framing, 5/8" Type X on both sides 1/2" StuccoBase with PermaLath 1000 over steel framing, 5/8" Type X on both sides	1 hour	
3/4" ASTM C926 stucco with PermaLath 1000 over 2 x 4 framing, 5/8" Type X on inside, 7/16" OSB on outside	1 hour (from inside only)	
ASTM E136 Non Combustibility	Pass	
Physical Tests: ASTM E2098 Tensile Strength	Pass	
ASTM E330 Transverse wind load Assembly descriptions: 2x4 SPF wood studs 16" oc, 2 layers water resistive barrier, PermaLath 1000 fastened 6" oc with 1" crown x 1-1/4" long staples 6" oc vertically to studs x 16" oc horizontally, 3/4" stucco.	Average ultimate pressures: Negative: 124 PSF Positive: 163 PSF (tested w/ 7/16" OSB)	
3-5/8" x 1-5/8" 20 ga steel studs 16" oc, 1 layer water resistive barrier, PermaLath 1000 fastened 6" oc vertically to studs x 16" oc horizontally with No 6, 1-1/4" bugle head screws and galvanized Lath Plates, 3/4" stucco.	Average ultimate pressures: Negative: 63 PSF Positive: 153 PSF (tested with 1/2" ext gyp sheathing)	

PermaLath 1000		Note BASF Wall Systems is an operating unit of BASF Construction Chemicals, LLC, (herein
Test	Result	atter reterred to as "BASF Wall Systems")
Physical Tests (continued): ASTM E 330 Transverse wind load (For use with EIFS)	Negative: 300 PSF	Disclaimer This information and all further technical advice are based on BASF Wall Systems' present knowledge and experience. However, BASF assumes no liability for providing such information and advice including the extent to which such
ASTM E 72 Racking Assembly descriptions: 2x4 SPF wood studs 16" oc, 1/2" ASTM C 79/C 1396 gypsum sheathing nailed (11 gauge, 1-3/4" long) to studs @ 8" oc field & perimeter, 1 layer weather barrier, PermaLath 1000 fastened with 1" crown x 1-1/4" long staples 6" oc vertically to studs x 16" oc horizontally, 3/4" stucco. ½" ASTM C 36 Gypsum wallboard (interior) fastened (6d nails) to studs 8" oc vertically, 2x4 SPF studs spaced 16" oc, 7/16" OSB nailed (8d common) to studs @ 12" oc field, 6" oc perimeter, 2 layers weather barrier, PermaLath 1000 fastened with 1" crown x 1-1/4" long staples 6" oc vertically to studs x 16" oc horizontally, 3/4" stucco.	>180 plf >180 plf	information and advice may relate to existing third party intellectual property rights, especially patent rights. In particular, BASF Wall Systems disclaims any and all CONDITIONS AND WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. BASF WALL SYSTEMS SHALL NOT BE RESPONSIBLE FOR CONSEQUENTIAL, INDIRECT OR INCIDENTAL DAMAGES (INCLUDING LOSS OF PROFITS) OF ANY KIND. BASF Wall Systems reserves the right to make any changes according to technological progress or further developments. It is the customer's responsibility and obligation to carefully inspect and test any incoming goods. Performance of the product(s) described herein should be verified by testing and carried out only by qualified experts. It is the sole responsibility of the customer to carry out and arrange for any such testing. Reference to trade names used by other companies is neither a recommendation, nor an endorsement of any product and dese act isn't the tarjike result
AC 275 Section 3.4 Fastener Attachment AC 275 Section 3.2.3	Pass (>85 lbs)	not be used.
Attachment	Pass (>12 lbs cementitious exterior wall coatings) Pass (>18 lbs stucco) Pass (>48 lbs stone veneer)	
AC 275 Section 3.3 Embedment	Pass (min. 1/4": embedment)	
Tensile/Yield Strength	>300 lbs/inch in both directions	

## **BASF Wall Systems**

3550 St. Johns Bluff Road South Jacksonville, FL 32224-2614 Phone 800 • 221 • 9255 Fax 904 • 996 • 6300 www.permalath.basf.com

©2009 BASF Construction Chemicals, LLC Printed in U.S.A. 01/09